

WHAT IS CLAIMED IS:

1 1. A pre-cast polyacrylamide slab gel for use in slab gel electrophoresis,
2 said pre-cast gel comprising:

3 a pair of chemically inert, transparent plates with inner surfaces coated with a
4 nonionic amphiphilic polymer, and
5 a polyacrylamide gel cast between said plates.

1 2. A pre-cast polyacrylamide slab gel in accordance with claim 1 in
2 which said nonionic amphiphilic polymer is polyvinyl alcohol.

1 3. A pre-cast polyacrylamide slab gel in accordance with claim 1 in
2 which said nonionic amphiphilic polymer is polyethylene glycol.

1 4. A pre-cast polyacrylamide slab gel in accordance with claim 1 in
2 which said plates are glass.

1 5. A pre-cast polyacrylamide slab gel in accordance with claim 1 in
2 which said plates are plastic.

1 6. A pre-cast polyacrylamide slab gel in accordance with claim 1 in
2 which said plates are polystyrene-acrylonitrile blend.

1 7. A pre-cast polyacrylamide slab gel in accordance with claim 1 further
2 comprising a coating of polyvinylidene chloride between said plate and said coating of
3 nonionic amphiphilic polymer.

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